

# PATENT SPECIFICATION

DRAWINGS ATTACHED

1,135,189



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Date of Application and filing Complete  
Specification: 10 December, 1965.

No. 52545/65

Application made in Poland (No. 106590) on 10 December, 1964.

Complete Specification Published: 4 December, 1968.

Complete Specification Published: 27 November, 1968.

Index at Acceptance:—H2 C3B3.

Int. Cl.:—H 01 b 17/00.

## COMPLETE SPECIFICATION

### The Outdoor High Voltage Insulator

We, POLITECHNIKA WROCLAWSKA a body corporate organised and existing under the laws of Poland of Wroclaw, ul. Wybrzeze Wyspianskiego 27, Poland, do hereby declare the invention for which we pray that a Patent may be granted to us, and the method by which it is to be performed to be particularly described in and by the following statement:—

10 The present invention concerns improvements in outdoor high voltage insulators.

According to the present invention there is provided an outdoor high voltage insulator comprising a trunk integrally formed with (a) a plurality of sheds spaced apart axially of the trunk, the two opposite surfaces of each shed being of sharp-edged stepped formation concentrically with the axis of the insulator, and (b) a sharp-edged peripheral rib between successive sheds.

20 An embodiment of the present invention will now be described by way of example with reference to the accompanying drawing in which:

25 Figure 1 shows a portion of the insulator, partly in elevation and partly in section; Figures 2 and 3 are sectional views, on a larger scale, of a step and rib respectively.

Referring to the drawing there is shown 30 a part of a rod insulator comprising a trunk integrally formed with a plurality of

sheds 4 spaced apart axially of the trunk and with a peripheral rib 2 between successive sheds. The two opposite surfaces of each shed are of sharp-edged stepped formation concentrically with the axis of the insulator. Fig. 2 shows the sharp edge 3 of one of the steps 1 and Fig. 3 shows the sharp edge 3 of the rib. The provision of the sharp edges to the steps and rib prevents small discharges from growing into longitudinal arcs. This insulator is particularly useful in polluted atmospheres.

#### WHAT WE CLAIM IS:—

1. An outdoor high voltage insulator comprising a trunk integrally formed with (a) a plurality of sheds spaced apart axially of the trunk, the two opposite surfaces of each shed being of sharp-edged stepped formation concentrically with the axis of the insulator, and (b) a sharp-edged peripheral rib between successive sheds.

2. An outdoor high voltage insulator substantially as herein described with reference to the accompanying drawings.

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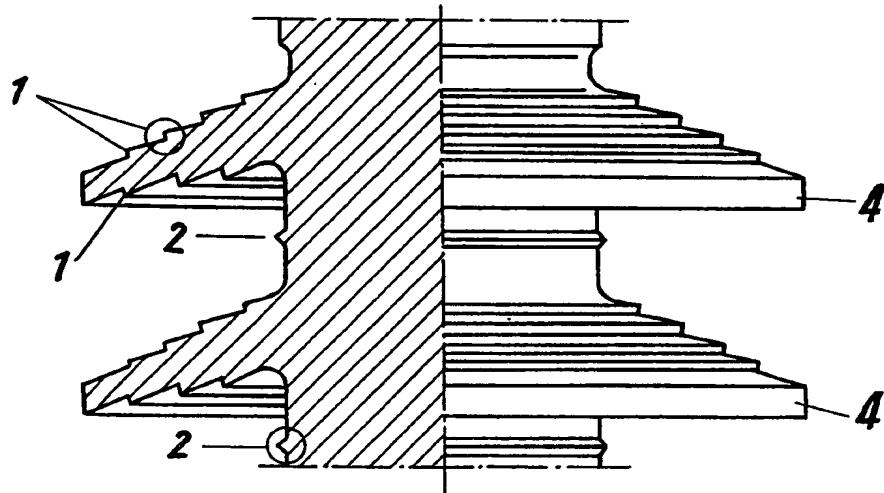
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1 SHEET

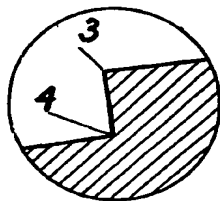
COMPLETE SPECIFICATION

*This drawing is a reproduction of  
the Original on a reduced scale.*

*FIG. 1.*



*FIG. 2.*



*FIG. 3.*

